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1 P1: "Yes, but does it scale?": practical considerations for database-driven information systems   ▩
John Russell
October 2001 **Proceedings of the 19th annual international conference on Computer documentation**

Full text available: 📄 pdf(231.31 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper explores the process of designing and implementing a database-driven system of online documentation, and putting it live on the web for customers to use. Using real-life examples, it discusses practical considerations for balancing performance, scalability, and reliability.

Keywords: Oracle, automation, categorization, database, performance, reliability, scalability, web services

2 Document querying and transformation: Querying XML documents by dynamic shredding   ▩
Hui Zhang, Frank Wm. Tompa
October 2004 **Proceedings of the 2004 ACM symposium on Document engineering**

Full text available: 📄 pdf(251.39 KB)   Additional Information: full citation, abstract, references, index terms

With the wide adoption of XML as a standard data representation and exchange format querying XML documents becomes increasingly important. However relational database systems constitute a much more mature technology than what is available for native storage of XML. To bridge the gap one way to manage XML data is to use a commercial relational database system. In this approach users typically first ``shred" their documents by isolating what they predict to be meaningful fragments then store t ...

Keywords: XML, XQuery, dynamic shredding, relational algebra, text ADT

3 StorHouse metanoia - new applications for database, storage & data warehousing   ▩
Felipe Cariño, Pekka Kostamaa, Art Kaufmann, John Burgess
May 2001 **ACM SIGMOD Record , Proceedings of the 2001 ACM SIGMOD international conference on Management of data**, Volume 30 Issue 2

Full text available: 📄 pdf(597.88 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes the StorHouse/Relational Manager (RM) database system that uses and exploits an *active storage hierarchy*. By active storage hierarchy, we mean that StorHouse/RM executes SQL queries *directly* against data stored on all hierarchical storage (i.e. disk, optical, and tape) without post processing a file or a DBA having to manage a data set. We describe and analyze StorHouse/RM features and internals. We also describe how StorHouse/RM differs from traditional HSM ...

4 Anatomy of a native XML base management system
T. Fiebig, S. Helmer, C.-C. Kanne, G. Moerkotte, J. Neumann, R. Schiele, T. Westmann
December 2002 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 11 Issue 4
Full text available: pdf(300.97 KB)   Additional Information: full citation, abstract, index terms

Several alternatives to manage large XML document collections exist, ranging from file systems over relational or other database systems to specifically tailored XML base management systems. In this paper we give a tour of Natix, a database management system designed from scratch for storing and processing XML data. Contrary to the common belief that management of XML data is just another application for traditional databases like relational systems, we illustrate how almost every component in a ...

Keywords: Database, XML

5 Document management: Preservation of digital publications: an OAIS extension and implementation
Peter Rödig, Uwe M. Borghoff, Jan Scheffczyk, Lothar Schmitz
November 2003 **Proceedings of the 2003 ACM symposium on Document engineering**
Full text available: pdf(214.34 KB)   Additional Information: full citation, abstract, references, index terms

Over the last decades, the amount of digital documents has increased exponentially. Nevertheless, traditional document engineering methods are applied. Even worse, the long-term preservation issues have been neglected in standard document life cycle implementations.Our digital (cultural) heritage is, therefore, highly endangered by the silent obsolescence of data formats, software and hardware. Severe losses of information already happened. It is high time to implement concrete solutions.Fortuna ...

Keywords: OAIS, archival systems, database management, detachment of digital publications, digital libraries, document management, long-term preservation, metadata

6 A review of the APL2000 user conference: November 1-4, 1998
Ray Polivka
September 1998 **ACM SIGAPL APL Quote Quad**, Volume 29 Issue 1
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Arne-Jørgen Berre
September 1986 **Proceedings on the 1986 international workshop on Object-oriented database systems**
Full text available: 📄 pdf(79.28 KB)   Additional Information: full citation, abstract, index terms

Object-oriented languages like Simula, Beta, Smalltalk-80 and others, have a single-user object-space. When such languages are used in multi-user applications like Office Information Systems and CAD/CAM, there is a need to share the object-space between the users. At Center for Industrial Research, object-oriented system development methods are used to develop an Information Support Environment for Engineers. One of the applications under development is a multi-media document pro ...

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Xilin Chen; Jie Yang; Jing Zhang; Waibel, A.;
Image Processing, IEEE Transactions on , Volume: 13 , Issue: 1 , Jan. 2004
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O'Malley, M.H.;
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3 **Text string extraction from images of colour-printed documents**
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4 **Text detection in images based on unsupervised classification of hig frequency wavelet coefficients**
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